IN THE UNITED STATES PATENT AND TRADEMARK OFFICE   **PATENT**
PATENT EXAMINING OPERATION

Applicant(s):   JEREMY KRAMSKOY

Serial No: 09/996,169	Group Art Unit: 2127	**RECEIVED**
Filed: November 28, 2001	Examiner: J.A. Follansbee	JUL 1 6 2003
Att. Docket No.: E1083/20012	Confirmation No.: 2095	Technology Center 2100

For: Inter-Method Control Transfer For Execution Engines With Memory Constraints

REVOCATION OF POWER OF ATTORNEY
AND APPOINTMENT OF NEW POWER OF ATTORNEY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Esmertec AG, the Assignee of the entire right, title and interest in the above-identified application as specified in the accompanying Statement Under 37 CFR §3.73(b), hereby revokes all prior powers of attorney and appoints the attorneys at United States Patent and Trademark Office **Customer No. 03000** as attorneys of record with full power of substitution and revocation to prosecute the application and all continuations and divisions thereof, and to transact all business in the Patent and Trademark Office, including the payment of maintenance fees for patent(s) issuing on the application and its progeny.

Please change the correspondence address for the above-identified application to **Customer No. 03000** (Caesar, Rivise, Bernstein, Cohen & Pokotilow, Ltd, Seven Penn Center, 12th Floor, 1635 Market Street, Philadelphia, PA, 19103-2212).

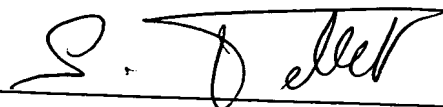The telephone number of **Customer No. 03000** is (215)567-2010 and the fax number is (215)751-1142.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

ESMERTEC AG

Date: July 9, 2003   By _____
                                          Sylvie Vollet
                                          General Counsel

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STATEMENT UNDER 37 CFR 3.73(b)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Assignee of the entire right, title and interest hereby seeks to take action in the Patent and Trademark Office in this matter.

IDENTIFICATION OF ASSIGNEE

Esmertec AG
A Switzerland Corporation
Lagerstrasse 14
Ch-8600
Dübendorf, Switzerland

PERSON AUTHORIZED TO SIGN

I, Sylvie Vollet, represent that I am General Counsel for the Assignee, and aver that I am empowered to sign this statement on behalf of the Assignee.

BASIS OF ASSIGNEE'S INTEREST

All right, title and interest in and to Application Serial No. 09/996,169 were transferred from the inventors to Insignia Solutions, plc by an assignment recorded at Reel/Frame 012584/0526. All right, title and interest in and to Application Serial No. 09/996,169 were transferred from Insignia Solutions, plc to Esmertec AG as indicated by a copy of an assignment attached hereto.

DECLARATIONS

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of any patent issuing thereon.

ESMERTEC AG

Date: _July 9, 2003_

By _S. Dollet_
Sylvie Vollet
General Counsel

2

RECORDATION FORM COVER SHEET
PATENTS ONLY

Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): INSIGNIA SOLUTIONS, PLC Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	**2. Name and address of receiving party(ies)** Name: __ESMERTEC AG__ Internal Address: _____

3. Nature of conveyance:

☑ Assignment   ☐ Merger

☐ Security Agreement   ☐ Change of Name

☐ Other_____

Execution Date: 7/03/2003

Street Address: LAGERSTRASSE 14

CH-8600

City: DUBENDORF State: CH Zip:_____

Additional name(s) & address(es) attached? ☐ Yes ☑ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:_____

A. Patent Application No.(s) _____
(See attached sheet)

B. Patent No.(s) 5,406,644

Additional numbers attached? ☑ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed: Name:_____ Internal Address: Customer No. 03000 Street Address:_____ City:_____ State:____ Zip:_____	**6. Total number of applications and patents involved:** 17 **7. Total fee (37 CFR 3.41)............$** 680 ☐ Enclosed ☑ Authorized to be charged to deposit account **8. Deposit account number:** 03-0075

DO NOT USE THIS SPACE

9. Signature.

__Scott M. Slomowitz__   _Scott M. Slomowitz_ (signature)   July 7, 2003
Name of Person Signing   Signature   Date

Total number of pages including cover sheet, attachments, and documents: 9

PATENT APPLICATION NOS. FOR ASSIGNMENT

09/858,827	09/858,426
09/859,072	09/859,162
09/859,133	09/858,578
09/859,163	10/203,151
09/859,161	10/203,060
09/858,826	10/203,123
09/859,134	10/203,124
09/859,135	09/996,169

ASSIGNMENT OF INVENTIONS

WHEREAS, INSIGNIA SOLUTIONS, PLC, (hereinafter "INSIGNIA") a

United Kingdom corporation having its principal place of business at:

Insignia House
The Mercury Centre
Wycombe Lane, Wooburn Green
High Wycombe, Bucks HP 10 0HH
United Kingdom

has acquired, by assignment from the inventors, the entire right, title and interest

in and to several inventions, related patent applications and Letters Patent as set

forth in Exhibits A-B;

WHEREAS, ESMERTEC AG (hereinafter "ESMERTEC"), a Switzerland

corporation having its principal place of business at:

Esmertec AG
Lagerstrasse 14
Ch-8600
Dübendorf, Switzerland

is desirous of acquiring the entire right, title and interest in and to each of the

several inventions, related patent applications and Letters Patent and has

previously entered into an Asset Purchase Agreement with INSIGNIA dated

March 4, 2003;

NOW, THEREFORE, INSIGNIA, IN CONSIDERATION of the Asset

Purchase Agreement, and other good and valuable consideration, the receipt

and sufficiency of which is hereby acknowledged, and intending to be legally

bound, agrees as follows:

1

1. INSIGNIA by these presents does hereby sell, assign and convey, unto ESMERTEC, its successors and assigns, INSIGNIA's entire right, title and interest:

a) in and to each invention described in the United States and foreign patent applications listed in Exhibit A, and in and to each invention described in the United States Letters Patent listed in Exhibit B;

b) in and to each United States patent application listed in Exhibit A, in and to each United States Letters Patent listed in Exhibit B, and in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon each invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted;

c) in and to all foreign patent applications for each invention now or hereafter filed in countries foreign to the United States of America including those patent applications listed in Exhibit A, and in and to any and all patents granted on said foreign patent applications to the full end of the terms for which said patents may be granted;

d) under the International Convention with respect to the patent applications listed in Exhibit A and agrees that any further patent applications that may be filed based on the patent applications listed in

2

Exhibit A shall be filed in the name of ESMERTEC with a claim of priority based on its associated prior patent applications; and

e) in and to all rights to sue others for past acts of infringement of the United States Letters Patent listed in Exhibit B and to retain all revenues received from others for past acts of infringement of said United States Letters Patent.

2. INSIGNIA, upon demand of ESMERTEC, its successors or assigns, hereby agrees that it will and without further consideration to ESMERTEC, execute any and all papers that may be necessary, or deemed by ESMERTEC, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by ESMERTEC, its successors and assigns and not by INSIGNIA.

3. The Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue any United States patent or patents that issue from any United States patent application listed in Exhibit A, or any divisional, continuing, renewal, reissue or other patent applications based on the United States patent applications, to ESMERTEC.

IN WITNESS WHEREOF, I hereunto affix my hand and seal this ___3rd___

day of ___July___, 2003.

INSIGNIA SOLUTIONS, PLC
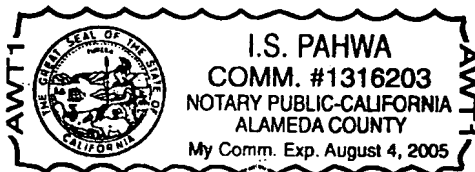
By _____

Name: Linda Potts

Title: Chief Financial Officer

STATE OF CALIFORNIA   :

COUNTY OF _Alameda_   :SS:

                                       :

Before me personally appeared said Linda Potts of INSIGNIA

SOLUTIONS, PLC and acknowledged that she is the Chief Financial Officer of

INSIGNIA SOLUTIONS, PLC, that she has the authority to execute this

Assignment on behalf of INSIGNIA SOLUTIONS PLC and has acknowledged the

foregoing instrument to be her free act and deed this ____3____ day of

___July___, 2003.

I.S. PAHWA
COMM. #1316203
NOTARY PUBLIC-CALIFORNIA
ALAMEDA COUNTY
My Comm. Exp. August 4, 2005

_____ (Seal)
Notary Public

My Commission Expires: _Aug. 4, 2005_

4

Title of Patent Application	Country	Application No.	Filing Date
Dynamic Compiler and Method of Compiling Code to Generate Dominant Path and to Handle Exceptions	US	09/858,827	May 16, 2001
Method and System for Cache Management Using Spatial Separation of Outliers	US	09/859,072	May 16, 2001
Hash Table Dispatch Mechanism for Interface Methods	US	09/859,133	May 16, 2001
Method and System of Dynamic Memory Management	US	09/859,163	May 16, 2001
Method and System for Memory Management Using Stack Walking	US	09/859,161	May 16, 2001
Low-Contention Grey Object Sets for Concurrent, Marking Garbage Collection	US	09/858,826	May 16, 2001
Method and System for Handling Device Driver Interrupts	US	09/859,134	May 16, 2001
Direct Invocation of Methods Using Class Loader	US	09/859,135	May 16, 2001
Method and Structure for Reducing Search Times	US	09/858,426	May 16, 2001
Method and System of Testing and Verifying Computer Code in a Multi-Threaded Environment	US	09/859,162	May 16, 2001
Multi-Threaded Fragment Patching	US	09/858,578	May 16, 2001

Title of Patent Application	Country	Application No.	Filing Date
Preprocessing of Interfaces to Allow Fast Call Through	US	10/203,151	December 3, 2002
Non-Zero Null References to Speed Up Write Barrier Checking for Garbage Collection	US	10/203,060	March 24, 2003
Global Constant Pool to Allow Deletion of Constant Pool Entries	US	10/203,123	March 7, 2003
Reduced Size Object Headers	US	10/203,124	March 24, 2003
Inter-Method Control Transfer for Execution Engines with Memory Constraints	US	09/996,169	November 28, 2001
Computer System, Computer-Readable Storage Medium and Method of Operating Same, and Method of Operating that System	Europe	99909100.2	March 16, 1999
Computer System, Computer-Readable Storage Medium and Method of Operating Same, and Method of Operating that System	Japan	2000-582880	March 16, 1999

EXHIBIT B

Title of Patent	Country	Patent No.	Issue Date
Apparatus & Method for Emulating a Computer Instruction Set Using a Jump Table in the Host Computer	US	5,406,644	April 11, 1995